



CLAIMS

Having fully described my invention I claim:

17. (new) A Computer Program Operation Interface comprising:

A molded plastic horizontal base platform having a generally oval shaped deck intended to interface with a horizontal work surface,

said base platform having a vertical tab rising up from one end of the oval shaped deck at a 90 degree angle,

said base platform having a vertical pillar rising up from the oval shaped deck in approximately the center and at a 90 degree angle with a threaded hole in the top,

Said base platform having an orifice molded into the oval shaped deck between the vertical tab and the vertical pillar and in the top of the vertical tab both configured to receive an industry standard X-Y axis rollerball sensor with its appurtenances,

said base platform having a vertical shortwall around its perimeter slightly inside the outer edge of the base platform forming a stepledge around the perimeter of the horizontal base platform,

said vertical shortwall having molded into each of its long sides four orifices configured to receive four industry standard on/off microswitches with their appurtenances, and

said vertical shortwall having a small U shaped slot molded into it at the end opposite toe vertical tab.

18. (new) A Computer Program Operation Interface comprising:

A molded plastic covering shell generally egg shaped of a size and shape to fit into and completely fill the palm cavity of a relaxed hand in the natural position,

said covering shell to have molded into one or the other side four finger pads each vertically separated from each other but hinged at the top,

said covering shell to have a small I shaped slot molded

- into the one end and a large U shaped slot molded into the other end,
- said covering shell having a textured surface to allow ventilation for the palm and a nonslip surface to be grasped by the hand.
19. (new)A Computer Program Operation Interface according to claim 17 comprising:
- a horizontal base platform having installed into each of the four orifices on one or the other side of the vertical shortwall four industry standard on/off microswitches with the activation button oriented toward the outside of the base platform,
- said base platform having installed into the orifice molded into the oval shaped deck and the orifice molded into the top of the vertical tab an industry standard X-Y axis rollerball sensor and its appurtenances with the rollerball protruding slightly from the outside surface of the vertical tab and the bottom surface of the oval shaped deck.
- said industry standard on/off microswitches and industry standard X-Y axis rollerball sensors to be appropriately wired into an industry standard wiring harness and serial patch cord,
- said serial patch cord exiting the horizontal base platform through the small U shaped slot in the vertical shortwall, and
- said base platform and switch assembly to be provided with software means in the computer which allows all of the switches to perform predetermined functions within the software program loaded into the computer with such modes of activity being changeable and programable.
20. (new)A Computer Program Operation Interface according to claim 18 and claim 19 comprising:
- a molded plastic base platform into which is installed four

industry standard on/off microswitches and two industry standard X-y axis rollerball sensors over which is installed a molded plastic covering shell, said covering shell having molded into one side or the other four finger pads which are located directly over the activation buttons of the four industry standard on/off microswitches located in the side of the shortwall, said covering shell having a small U shaped slot in the one end which fits over the serial patch cord which exits the horizontal base platform and a large U shaped slot in the other end which fits snugly over the vertical tab, and said covering shell being secured to the horizontal base platform by an assembling screw installed through the hole in the top of the covering shell and into the threaded hole in the top of the vertical pillar rising up from the oval shaped deck.

21. (new)A Computer Program Operation Interface according to claim 20 comprising:

an assembled Computer Program Operation Interface allowing each of the fingers to be positioned over each of the four finger pads actuating the four industry standard on/off microswitches located beneath, allowing the thumb to be positioned to operate the industry standard X-Y axis rollerball sensor located in the vertical tab, and allowing the industry standard X-Y axis rollerball sensor located in the oval shaped deck of the horizontal base platform to be activated by the horizontal movement of the device over a horizontal work surface.

22. (new)A Computer Program Operation Interface according to claim 21 comprising a computer input device which allows independent and simultaneous of four industry standard on/off microswitches and two industry standard X-Y axis rollerball sensors with one hand allowing optimum use of

the operator's hand.

23. (new) A Computer Program Operation Interface according to claim 20 comprising:

a computer input device with a generally egg shaped covering shell that fits into and completely fills the palm cavity of a relaxed hand in the natural position, said shape to support and fully distribute the weight of the hand on the palm and the metacarpal-phalangeal region of the hand, and allowing the hand to function in the natural position without extension of the fingers causing unnatural tension on the tendons of the hand giving rise to the possibility of carpal tunnel syndrome.